



Rapid Assessment of Maritime GHG Emissions

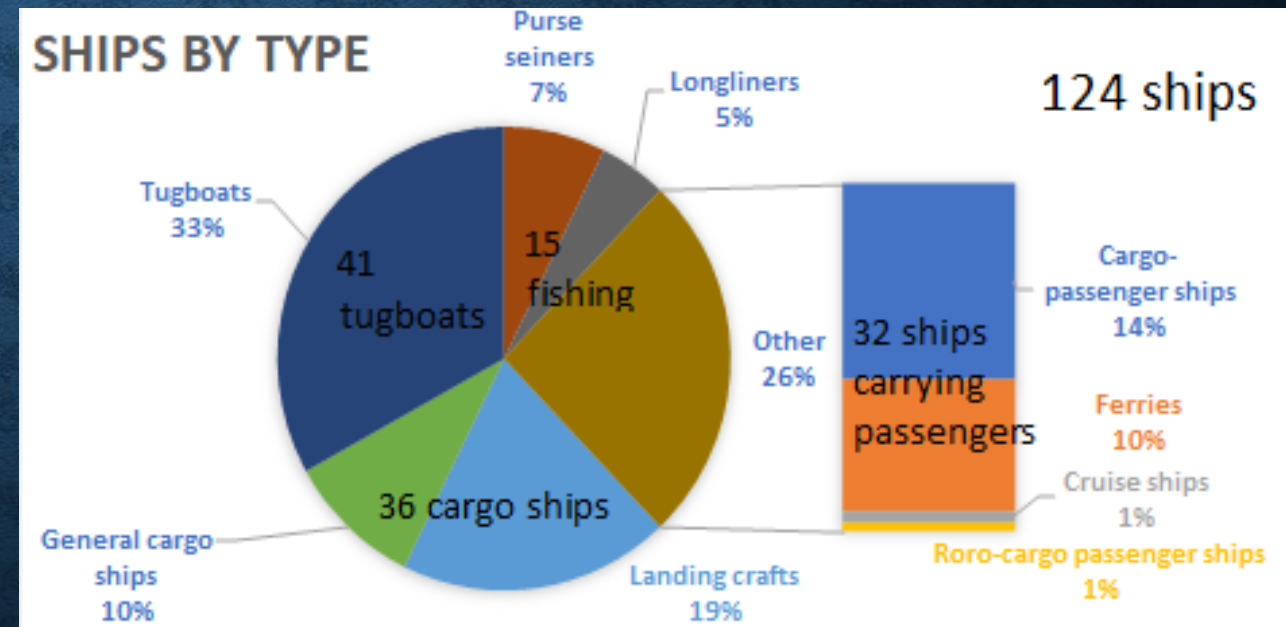
National Task Force Meeting 1-2024
24 January 2024

OUTLINE

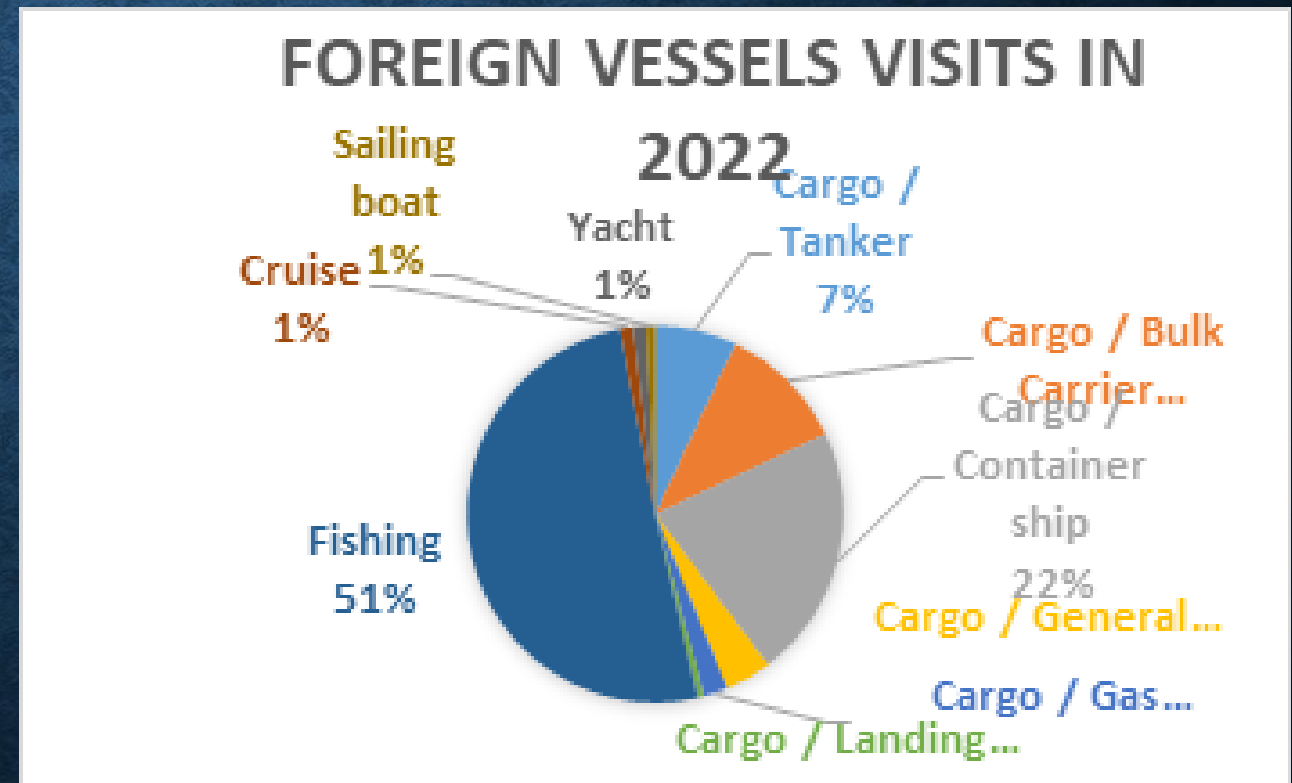
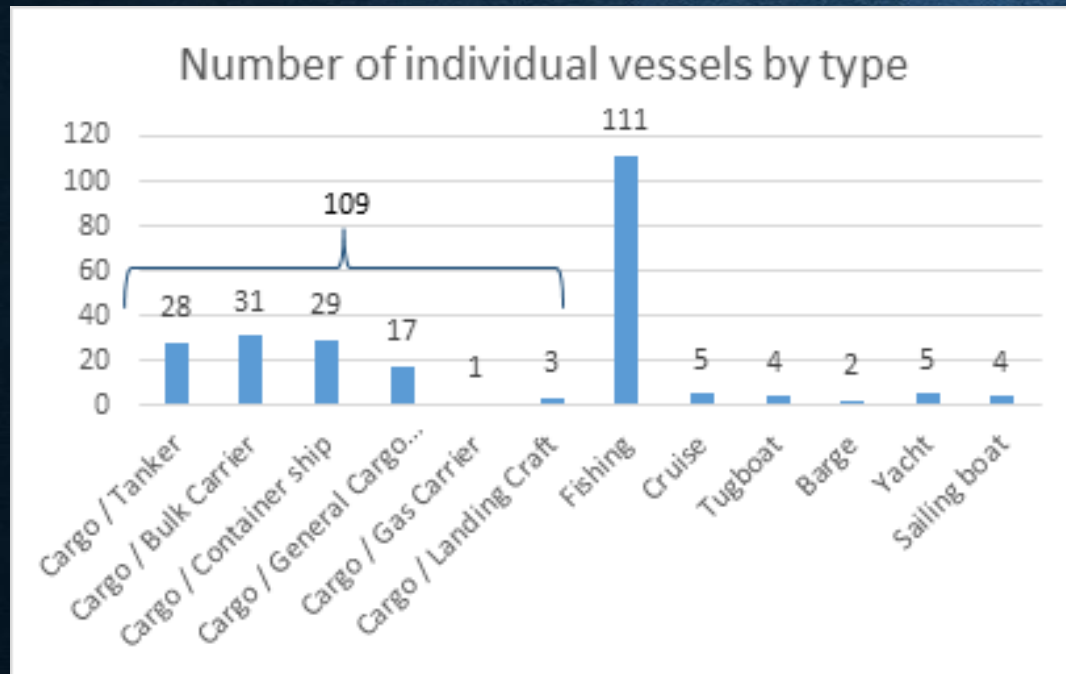
- Status of operations and emissions from ships and ports
- Assessment on GHG emissions from ships
- Green Port Initiative results
- From Assessing to taking Action
- Conclusion



STATUS OF OPERATIONS AND EMISSIONS FROM SHIPS AND PORTS



INTERNATIONAL SHIPPING



SOLOMON MARITIME...

...TODAY 744,407 population on 300+ islands
...in 2050 1,333,614 population

Domestic vessels & small boats
multiplied
Inter-provincial land/sea
connectivity

4000+ pax/week Malaita Prov.
1000+ pax/week Isabel Prov.
800+ pax/week Western Prov.
Small craft capacity unknown

More & bigger foreign vessels
Auki & Buala major hubs / ports

30,000+ containers Honiara Port
SBD3.2B logging export
SBD330M fish export

1.6 million km² area 98% ocean
– 1.2 million km² Search and Rescue Region

161 domestic vessels (incl. barges)
68 carrying passengers & goods
93 serving productive industries (logging, mining, fishing)

Thousands of small boats (<10m)

241 foreign vessels 622 calls incl.
111 (267 calls) fishing vessels & 31 (57 calls) bulk carriers

2 international ports (Noro and Honiara)

258 sufferance wharves export
from logging and mining industries

**SOLOMON
PORTS**

**GREEN PORT
INITIATIVE
REPORT
(2022)**

Overall Energy Consumption Reduction:
23%

Diesel Fuel Usage Reduction per TEU:
10%

Energy Intensity Reduction: 19.5%

Electricity Usage Increase: 6%

Greenhouse Gas Emissions Reduction:
10%

Energy Costs Increase: 29%

ASSESSMENT ON GHG EMISSIONS FROM SHIPS

	PBSP	SIMA	LEDs
Emissions	204,090 tonnes CO ₂ -e per year including small crafts per year	44,000 tonnes CO ₂ -e (SIMA data 2022) from domestic ships per year	Peak in 2030 at about 20,000 tonnes of CO ₂ -e (204,000 hours of use of small boats and domestic) per year
Targets	40% reduction in CO ₂ e emissions by 2030 and zero CO ₂ e emissions by 2050		Low emission pathway of reduction of 253,000 tonnes CO ₂ -e (including land and maritime transport)

From Assessing to Taking Action

Build a more robust policy and law framework related to reducing maritime GHG emissions with reliable baseline and ambitious targets

Implement pilot projects to collect data, increase energy efficiency and uptake new technologies on board ships and in ports

Implement effective partnerships in Solomon Islands and with international partners to resource and provide expertise on reduction of GHG emissions from ships

Develop capacity in Solomon Islands to operate and maintain energy efficient ships and ports



TAGIO TUMAS

E contact@sima.gov.sb

P (677) 21 535

PO Box 1932, Honiara
Solomon Islands

www.sima.gov.sb